

# Python: module browser.vcs\_function

## ***browser.vcs\_function***

[index](#)

```
# The PCMDI Data Browser VCS Plot Functions - vcs_function module
#
#####
#
# Module:          vcs_function module
#
# Copyright:       "See file Legal.htm for copyright information."
#
# Authors:         PCMDI Software Team
#                  Lawrence Livermore NationalLaboratory:
#                  support@pcmdi.llnl.gov
#
# Description:     PCMDI Software System browser VCS plot functions.
#
# Version:         4.0
#
#####
#
#-----
# NOTE: need to use version of Python that imports Tkinter and Pmw
#-----
```

## ***Modules***

|                |                               |                            |              |
|----------------|-------------------------------|----------------------------|--------------|
| <u>cdms.MV</u> | <u>browser.gui alter plot</u> | <u>browser.gui menu</u>    | <u>sys</u>   |
| <u>Numeric</u> | <u>browser.gui annotate</u>   | <u>browser.gui message</u> | <u>types</u> |
| <u>Tkinter</u> | <u>browser.gui control</u>    | <u>math</u>                | <u>vcs</u>   |
| <u>cdms</u>    | <u>browser.gui formulate</u>  | <u>os</u>                  |              |
| <u>cdtime</u>  | <u>browser.gui functions</u>  | <u>string</u>              |              |

## ***Functions***

***custom\_ranges***(min, max, num)

```
#-----
# Generate Box Discrete ranges and color indices
#-----
```

***dotemplate***(parent, template, id, replot\_flg, g\_name)

Reset the template name and template attributes if needed

***initialize***(root, dosplashscreen, counter\_bar)

```

#-----
# Initialize the VCS graphics packages
#-----

modify_template(parent, t, t2, n, n2, x, y, w, h, orientation='horizontal', legend_top=1)
#-----
# Modify the template to fit on the VCS Canvas
#-----

plot(parent=None, slab1=None, slab2=None, template=None, g_name=None, g_type=None, bg=0, id=1)
#-----
# Plot the data via VCS
#-----
#def plot(parent, g_type, replot_flg, bg, formulate_data = 1):

re_plot(parent, replot_flg)
#-----
# Re-plot the data via VCS
#-----

record_plot(parent, slab1=None, slab2=None, templ=None, gtype=None, gname=None, plot_kw={ })
#-----
# Record VCS plot command
#-----

set_template(parent, template_name=None)
#-----
# Modify the template to fit on the VCS Canvas
#-----

turn_on_off_1Dplot_annotation(parent, template_name)
#-----
# Turn on/off annotation for 1D plots
#-----

turn_on_off_plot_annotation(parent, template_name)
#-----
# Turn on/off annotation
#-----

```

## Data

```

Pmw = <Pmw.Pmw_1_2.lib.PmwLoader.PmwLoader instance>
fn = '/pcmdi/halliday1/PCMDI_GRAPHICS'

```